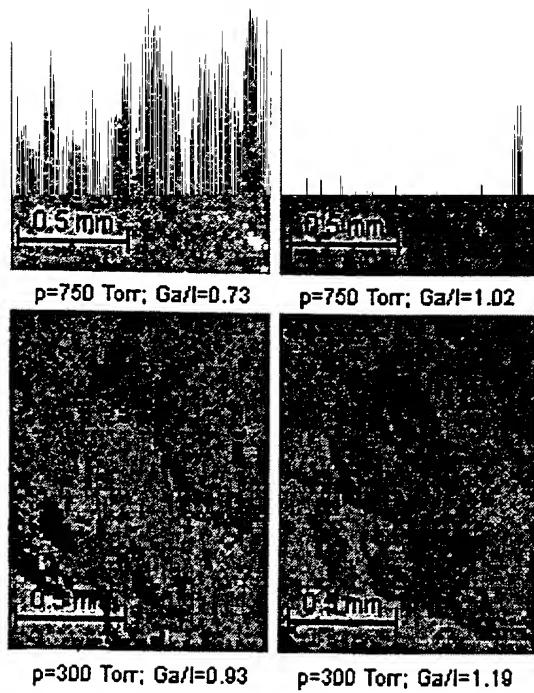
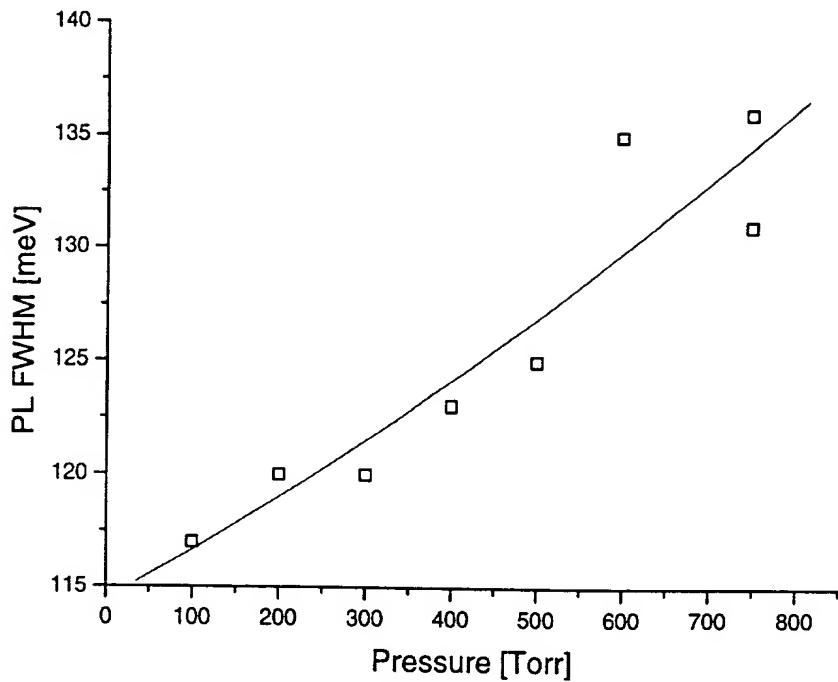


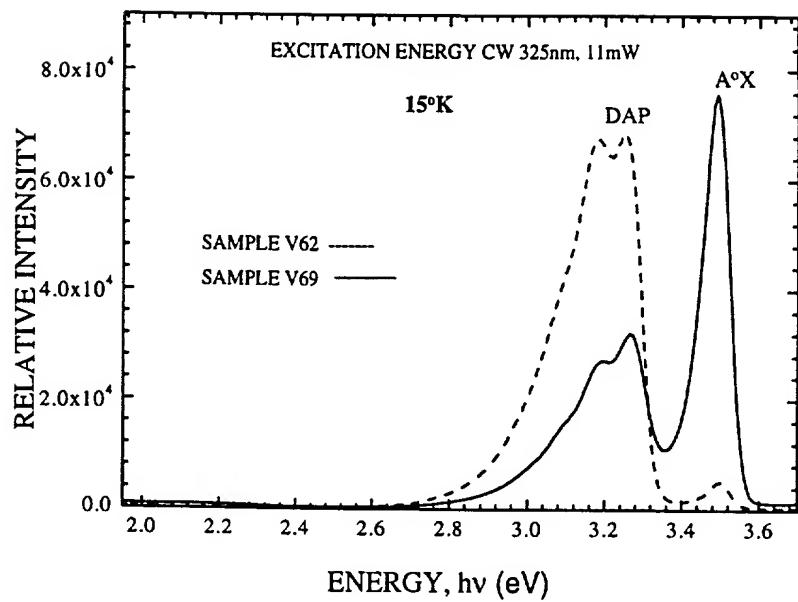
Fig. 1



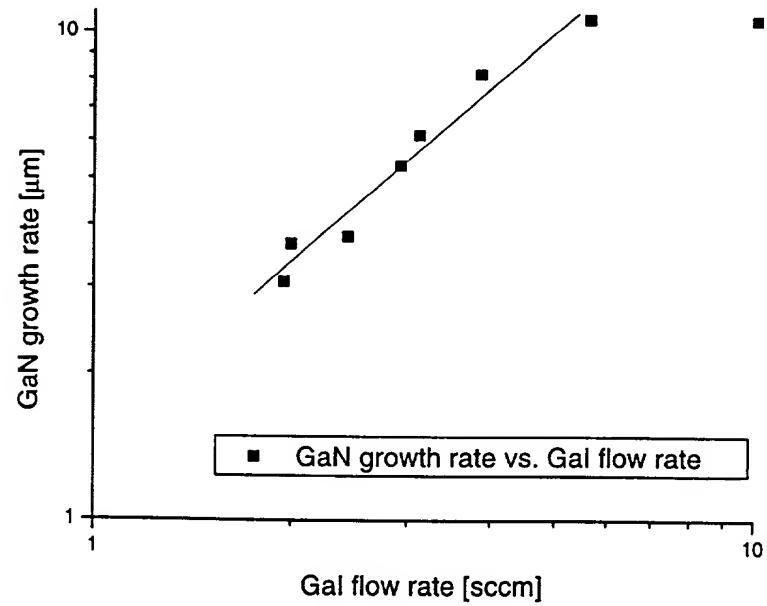
**Fig. 2.** The surfaces of some samples grown at different conditions under the same magnification.



**Fig. 3.** The room temperature PL FWHM as a function of the ambient pressure.



**Fig. 4.** Low temperature PL spectra of GaN layers grown by IVPG with H<sub>2</sub> carrier gas (V69 with Aeronex purifier).



**Fig. 5.** The growth rate as a function of GaI flow rate